

Village of Shining Stars Daycare Water Sampling Lead Analysis Report

1. INTRODUCTION

1.1. GENERAL

This report presents the results of our water sampling performed at the site of Village of Shining Stars Daycare, 20507 Fenkell Ave., Detroit, MI., on May 16th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Sonya Hickey on May 4^{th} , 2016.

2. SITE INVESTIGATIONS

2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

2.2 LABORATORY TESTING

2.2.1. **General**

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.

Results of the tests indicate that the water is below the threshold for lead



contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

3. DISCUSSIONS AND RECOMMENDATIONS

3.1. DISCUSSIONS OF FINDINGS

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 354986 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 1 Kitchen

20507 Feakel

(First Draw)

Detroit

Source City: Source State:

MI

Date/Time Received:

5/16/2016 14:00

D. Hemphill

Collected by:

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Analy	tes - Metals			are a Tallanessa anne "Mare e comment form over al montane" is per 1997 for a same of 1990 form find existing a
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/16/2016 06:3	10	5/20/2016

These test results may be used for compliance purpose as required.

Analyst Tests EC 200.8

James Abston, Operations Manager

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ANALYTICAL REPORTS

SAMPLE CODE: 354987 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 2 Kitchen

(Flush)

Detroit

Source City: Source State:

MI

Date/Time Received:

5/16/2016 14:00

This column indicates the contaminant dilution factor.

D. Hemphill

Collected by:

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Not Analyzed

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"DF"

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
Inorganic Analytes - Metals						
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/16/2016 06:3	13	5/20/2016

These test results may be used for compliance purpose as required.

Tests Analyst EC 200.8

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ANALYTICAL REPORTS

SAMPLE CODE: 354988 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 3 Girls

Bathroom (First Draw)

Source City:

Detroit

Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill

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D. Herriptini

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Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Anal	vtes . Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.001	1 5/16/2016 06:3	36	5/20/2016

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Analyst Tests
EC 200.8

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354988

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ANALYTICAL REPORTS

SAMPLE CODE: 354989 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 4 Girls

Bathroom (Flush)

Detroit

Source City: Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The

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Quality. "ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

"NA"

"Standard"

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"DF"

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Report Notes:

Fed ld # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Analy	rtec - Metale	•		
		morganic Anai	toa - maraia			anno esta de manaco abanco como de estado do 10 a de 150.
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/16/2016 06:	39	5/20/2016

These test results may be used for compliance purpose as required.

Analyst Tests EC 200.8

James Abston, Operations Manager

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ANALYTICAL REPORTS

SAMPLE CODE: 354990 5/25/2016

Customer:

G. S. Group

Monica Starks 17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 5 Boys

Bathroom (First Draw)

Source City:

Detroit

Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill

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"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level	DF Date/Time	Date	Date/Time
			Detected	Sampled	Prepped	Analyzed
		Inorganic Analy	tes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	0.003	1 5/16/2016 06:4	12	5/20/2016

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ANALYTICAL REPORTS

SAMPLE CODE: 354991 5/25/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Village of Shining Stars

Daycare, Sample 6 Boys

Bathroom (Flush)

Detroit

Source City: Source State:

MI

Date/Time Received:

5/16/2016 14:00

Collected by:

D. Hemphill

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Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
		Inorganic Ana	lytes - Metals			
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 5/16/2016 06:	45	5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests			
EC	200.8			

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1-800-458-3330

General Compliance

Order Number: Order Date:

2076912

Sample Number:

04/19/2016

Product: Sample Paid: No

Lead Only Payment Method:

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Sterks		Lab Accounting Information:
17800 Woodward Ave		
Detroit	MI 48203	Payment \$:
		Check #:
Check Time Zone: SEST Client Name: 110gc. Phone Number: 313	Please Use Military Time, e.g. 3:00pm = 15:00	Lab Comments/Special Instructions:
Fax Number:		
PWS ID# (if applicable):		State Forms:
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	☐ Well ☑ Municipal ☐ Surface	Lab Sample Information: Date Received: MAY /1 6 2016
City & State: De +601	+ M I (If Different than Above)	Time Received: 1/14:00 Received By: 1/14:00
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Form Completed By:	Donnez Hemphill	
dditional Comments:		

MATIONAL TestingLaboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016 354987

Sample Number:

Product:

Lead Only

Sample Pald: No

Payment Method:

Sold To:	TSR: EF	
G. S. Group		For Laboratory Hay CAN V
Monica Starks		For Laboratory Use ONLY
17800 Woodward Ave		Lab Accounting information:
Detroit	MI 48203	Payment \$:
		Check#:
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Phone Number: 313-32	87 - 8720	
Fax Number:		· ·
PWS ID# (if applicable):		State Forms:
Sample ID or Source: Sample	2 Kitchen (Flush)	Lab Sample Information:
Source Type: Spring Dother:	Well Municipal Surface	Date Received: MAY/1 6 2016
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M National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016

354988

Sample Number:

Sample Paid: No

Product:

Lead **Payment Method:**

ĺ	Only		

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		
17800 Woodward Ave		Lab Accounting Information:
Detroit	MI 48203	Payment \$:
		Check #:
		Lab Comments/Special Instructions:
Date Sampled : 5 1 161	16	
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Time Sampled: 17 : 4645	Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: ☐EST ☐ (CST MST PST	
Client Name: Village of	Phining Stars Daycace	
Phone Number: 313 - 38	7-8720	
Fax Number:		
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Mational Testing Laboratories, Ltd.

1-800-458-3330

Quality Water Analysis

General Compliance

Order Number: Order Date:

2076912 04/19/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

Sold To: TSR: EF	
G. S. Group	For Laboratory Use ONLY
Monica Starks	
17800 Woodward Ave	Lab Accounting information:
Detroit MI 48203	Payment \$:
	Check #:
	Lab Comments/Special Instructions:
Date Sampled : 5 1/61/6	· ·
Time Sampled: 639 Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: ☐ ÉST ☐ CST ☐ MST ☐ PST	verene 2005
Client Name: Village of the shining Stars Daycare	
Phone Number: 313 387 - 8720	
Fax Number:	
PWS ID# (if applicable):	State Forms:
Sample ID or Source: Sande 4 (nive's Bathram (Flush)	
Source Type: Spring Well Municipal Surface	Lab Sample Information: MAY 1 6 2016
Other:	Date Received:
	Time Received: 1/14 00
City & State: Detroit, MI	
(If Different than Above)	Received By:
Sample Collected By: Journ Landing (Signature)	Sample receipt criteria/checked & acceptable. Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By: Donnez Hemphill (Please Print)	
Form Completed By: Donner Hemphill	
Additional Comments:	

National Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912

04/19/2016

Sample Number:

Lead Only

Product: Sample Paid: No

Payment Method:

Sold To:	TSR: EF	•
G. S. Group		For Laboratory Use ONLY
Monica Starks 17800 Woodward Ave		Lab Accounting Information:
Detroit	MI 48203	Payment \$:
		Check #:
	Please Use Military Time, e.g. 3:00pm = 15:00	Lab Comments/Special Instructions:
PWS ID# (if applicable):		State Forms:
Sample ID or Source: Sauge 5 Boys Buthson (First Draw) Source Type: Spring Well Municipal Surface Other: City & State: Detroit M (If Different than Above) Sample Collected By: Sample Collected By: Donger Hemphill (Please Print) Form Completed By: Donger Hemphill		Lab Sample Information: Date Received: MAY 1 6 2016 Time Received: 14:(2) Received By: AAU A Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted on PSA form.
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Mational Testing Laboratories, Ltd. Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: Order Date:

2076912 04/19/2016 354991

Sample Number:

Product:

Sample Paid: No

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Lead Only	,
Payment Method:	

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave Detroit	***	
Deady	MI 48203	Payment \$:Check #:
		Officer #
Date Sampled : <u>5 1/6 1/</u>	<u>6</u>	Lab Comments/Special instructions:
Time Sampled: 0 : 446	Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: MÉST ☐ C	ST MST PST	
Client Name: Village of +	he Shimny Stars Daycove 387 - 8720	
Phone Number: 313	387 - 8720	
Fax Number:		
PWS ID# (if applicable):		State Forms:
Sample ID or Source: Sample	6 Boy's Ballians (flush)	
Source Type: Spring Dother:	Well Municipal Surface	Lab Sample Information: MAY 1 6,2016
City & State: De trock	t, Mi	Time Received: 1400 Received By: 10 411
	Different than Above)	1 John Marie
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Form Completed By: Don	nez Hemphill	
dditional Comments:		